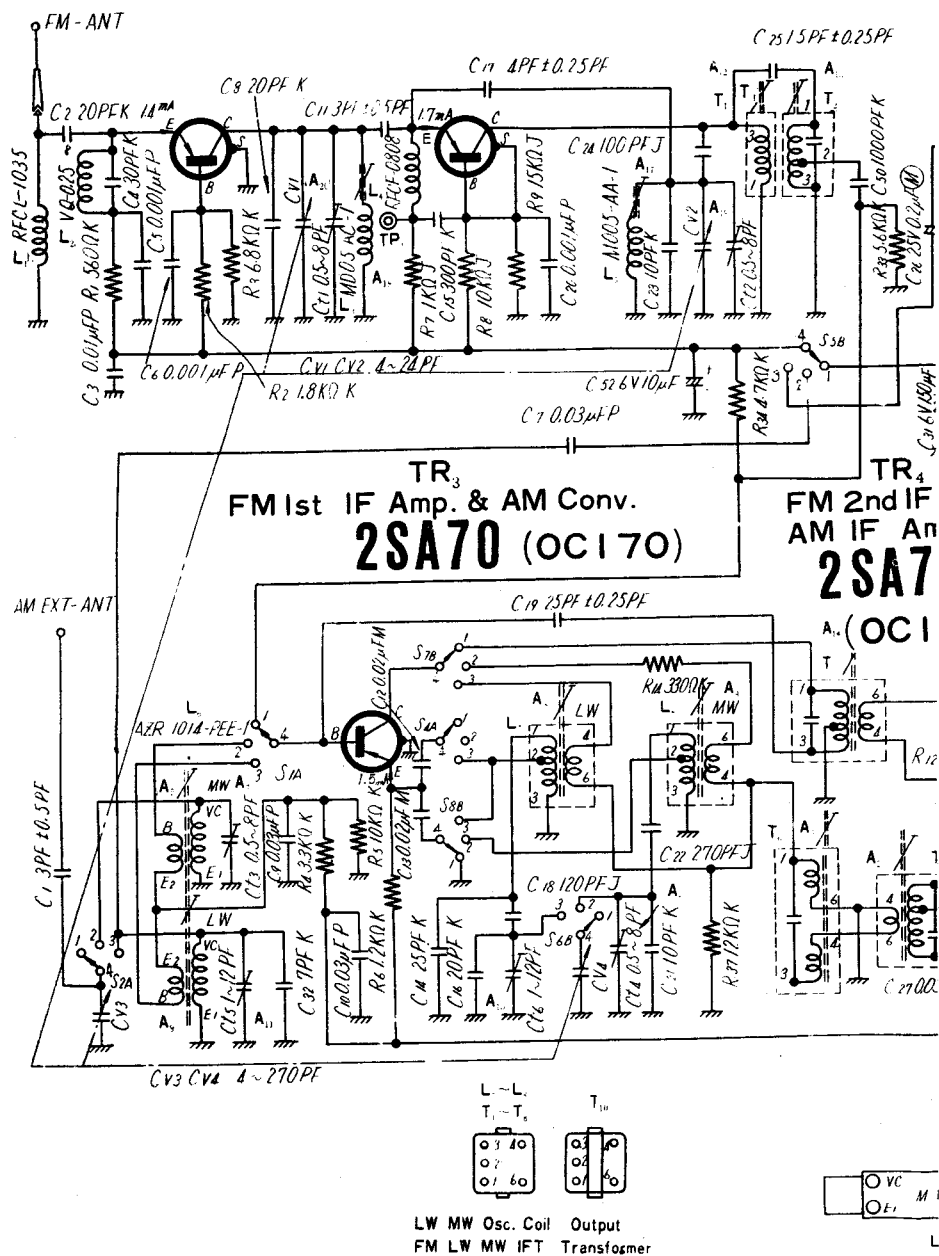


SCHEMA

TR₂
FM Conv.
2SA71
(OC171)

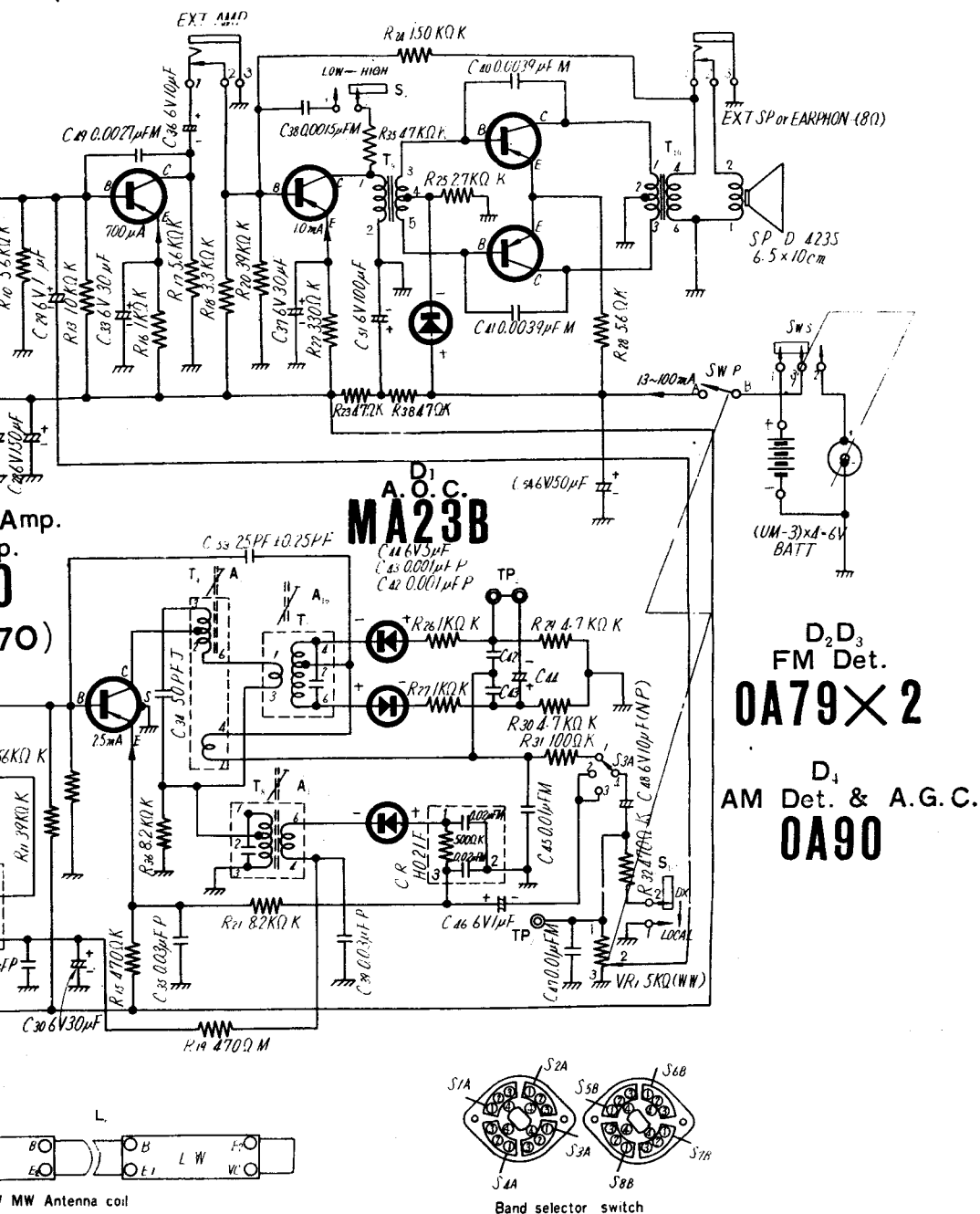


1. $S_{1A} \sim S_{8B}$: Band selection switch now positioned at "FM".
2. S_9 : Tone switch now positioned at "HIGH".
3. S_{10} : Slide switch now positioned at "DX".
4. SW P : Power switch now positioned at "OFF".
5. Voltages read under no signal conditions with a 10K Ω /Volt Voltmeter are negative with respect to ground.
6. Battery current

No signal	FM	10~22mA
	AM	9 ~19mA
Maximum output	FM	90~120mA
	AM	80~110mA

TIC DIAGRAM

TR ₅	TR ₆	TR ₇ TR ₈
1st AF Amp.	2nd AF Amp.	Power Amp.
2SB173	2SB175	2SB176 × 2
(OC71)	(OC75)	(OC76)



7. The letter signs (P.K.J.M.M) in the circuit diagram show allowable deviation of resistors and capacitors as follows

J.....± 5%	K.....± 10%
M± 20%	P+100%
Ⓜ+ 30%	→ 0%
- 10%	

MODEL T-81L

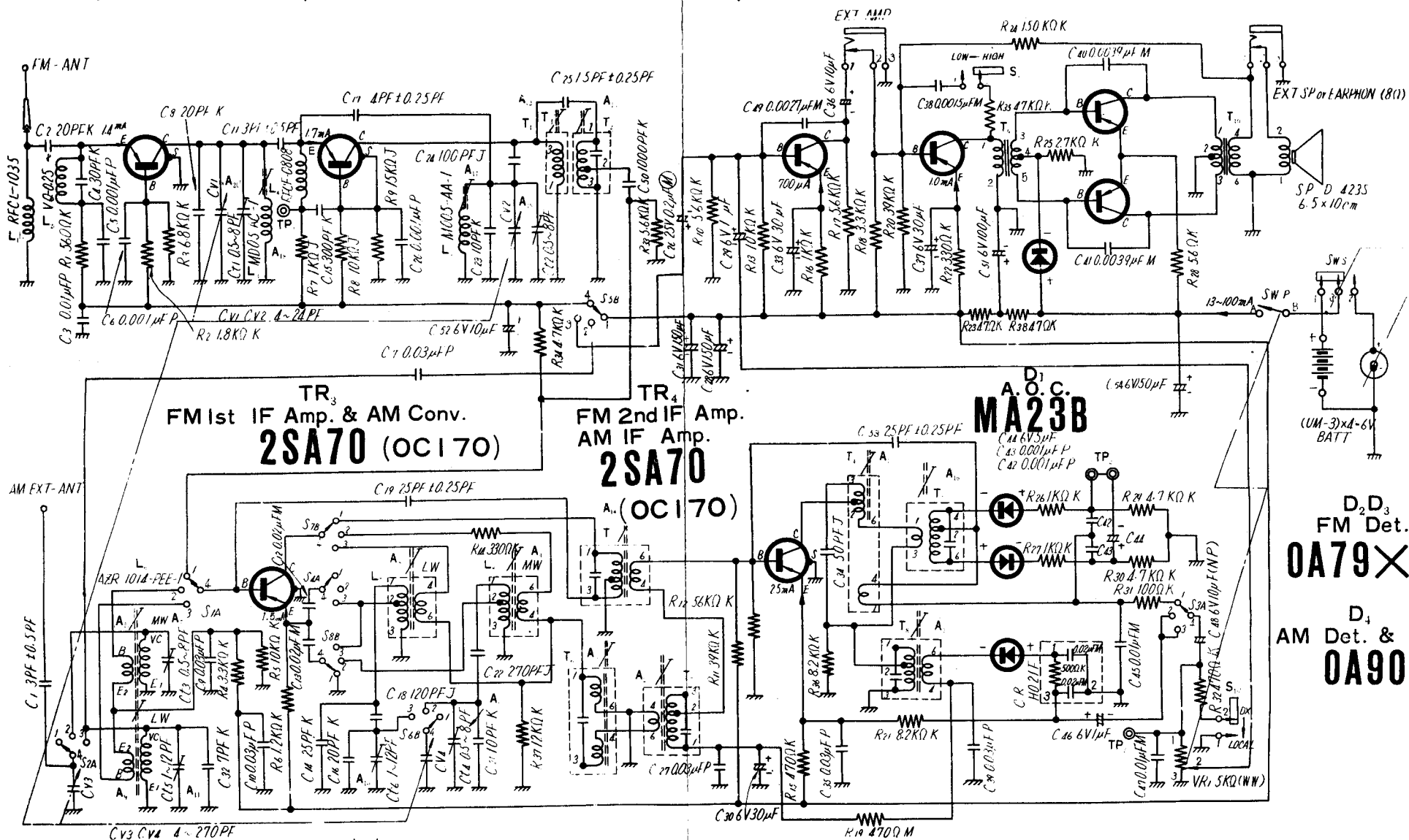
TR₁
FM RF Amp.
2SA71
(OC171)

TR₂
FM Conv.
2SA71
(OC171)

TR₅
1st AF Amp.
2SB173
(OC71)

TR₆
2nd AF Amp.
2SB175
(OC75)

TR₇ TR₈
Power Amp.
2SB176 × 2
(OC76)



AM EXT. ANT

C1 3PF ±0.5PF

A2R 1014-PEE-10

C13 0.5-8PF

C14 0.5-8PF

C15 1-12PF

C16 1-12PF

C17 1-12PF

C18 120PF J

C19 25PF ±0.25PF

C20 25PF J

C21 10PF K

C22 270PF J

C23 10PF K

C24 25PF K

C25 10PF K

C26 1-12PF

C27 10PF K

C28 10PF K

C29 10PF K

C30 10PF K

C31 10PF K

C32 10PF K

C33 10PF K

C34 10PF K

C35 10PF K

C36 10PF K

C37 10PF K

C38 10PF K

C39 10PF K

C40 10PF K

C41 10PF K

C42 10PF K

C43 10PF K

C44 10PF K

C45 10PF K

C46 10PF K

C47 10PF K

C48 10PF K

C49 10PF K

C50 10PF K

C51 10PF K

C52 10PF K

C53 10PF K

C54 10PF K

C55 10PF K

C56 10PF K

C57 10PF K

C58 10PF K

C59 10PF K

C60 10PF K

C61 10PF K

C62 10PF K

C63 10PF K

C64 10PF K

C65 10PF K

C66 10PF K

C67 10PF K

C68 10PF K

C69 10PF K

C70 10PF K

C71 10PF K

C72 10PF K

C73 10PF K

C74 10PF K

C75 10PF K

C76 10PF K

C77 10PF K

C78 10PF K

C79 10PF K

C80 10PF K

C81 10PF K

C82 10PF K

C83 10PF K

C84 10PF K

C85 10PF K

C86 10PF K

C87 10PF K

C88 10PF K

C89 10PF K

C90 10PF K

C91 10PF K

C92 10PF K

C93 10PF K

C94 10PF K

C95 10PF K

C96 10PF K

C97 10PF K

C98 10PF K

C99 10PF K

C100 10PF K

C101 10PF K

C102 10PF K

C103 10PF K

C104 10PF K

C105 10PF K

C106 10PF K

C107 10PF K

C108 10PF K

C109 10PF K

C110 10PF K

C111 10PF K

C112 10PF K

C113 10PF K

C114 10PF K

C115 10PF K

C116 10PF K

C117 10PF K

C118 10PF K

C119 10PF K

C120 10PF K

C121 10PF K

C122 10PF K

C123 10PF K

C124 10PF K

C125 10PF K

C126 10PF K

C127 10PF K

C128 10PF K

C129 10PF K

C130 10PF K

C131 10PF K

C132 10PF K

C133 10PF K

C134 10PF K

C135 10PF K

C136 10PF K

C137 10PF K

C138 10PF K

C139 10PF K

C140 10PF K

C141 10PF K

C142 10PF K

C143 10PF K

C144 10PF K

C145 10PF K

C146 10PF K

C147 10PF K

C148 10PF K

C149 10PF K

C150 10PF K

C151 10PF K

C152 10PF K

C153 10PF K

C154 10PF K

C155 10PF K

C156 10PF K

C157 10PF K

C158 10PF K

C159 10PF K

C160 10PF K

C161 10PF K

C162 10PF K

C163 10PF K

C164 10PF K

C165 10PF K

C166 10PF K

C167 10PF K

C168 10PF K

C169 10PF K

C170 10PF K

C171 10PF K

C172 10PF K

C173 10PF K

C174 10PF K

C175 10PF K

C176 10PF K

C177 10PF K

C178 10PF K

C179 10PF K

C180 10PF K

C181 10PF K

C182 10PF K

C183 10PF K

C184 10PF K

C185 10PF K

C186 10PF K

C187 10PF K

C188 10PF K

C189 10PF K

C190 10PF K

C191 10PF K

C192 10PF K

C193 10PF K

C194 10PF K

C195 10PF K

C196 10PF K

C197 10PF K

C198 10PF K

C199 10PF K

C200 10PF K

C201 10PF K

C202 10PF K

C203 10PF K

C204 10PF K

C205 10PF K

C206 10PF K

C207 10PF K

C208 10PF K

C209 10PF K

C210 10PF K

C211 10PF K

C212 10PF K

C213 10PF K

C214 10PF K

C215 10PF K

C216 10PF K

C217 10PF K

C218 10PF K

C219 10PF K

C220 10PF K

C221 10PF K

C222 10PF K

C223 10PF K

C224 10PF K

C225 10PF K

C226 10PF K

C227 10PF K

C228 10PF K

C229 10PF K

C230 10PF K

C231 10PF K

C232 10PF K

C233 10PF K

C234 10PF K

C235 10PF K

C236 10PF K

C237 10PF K

C238 10PF K

C239 10PF K

C240 10PF K

C241 10PF K

C242 10PF K

C243 10PF K

C244 10PF K

C245 10PF K

C246 10PF K

C247 10PF K

C248 10PF K

C249 10PF K

C250 10PF K

C251 10PF K

C252 10PF K

C253 10PF K

C254 10PF K

C255 10PF K

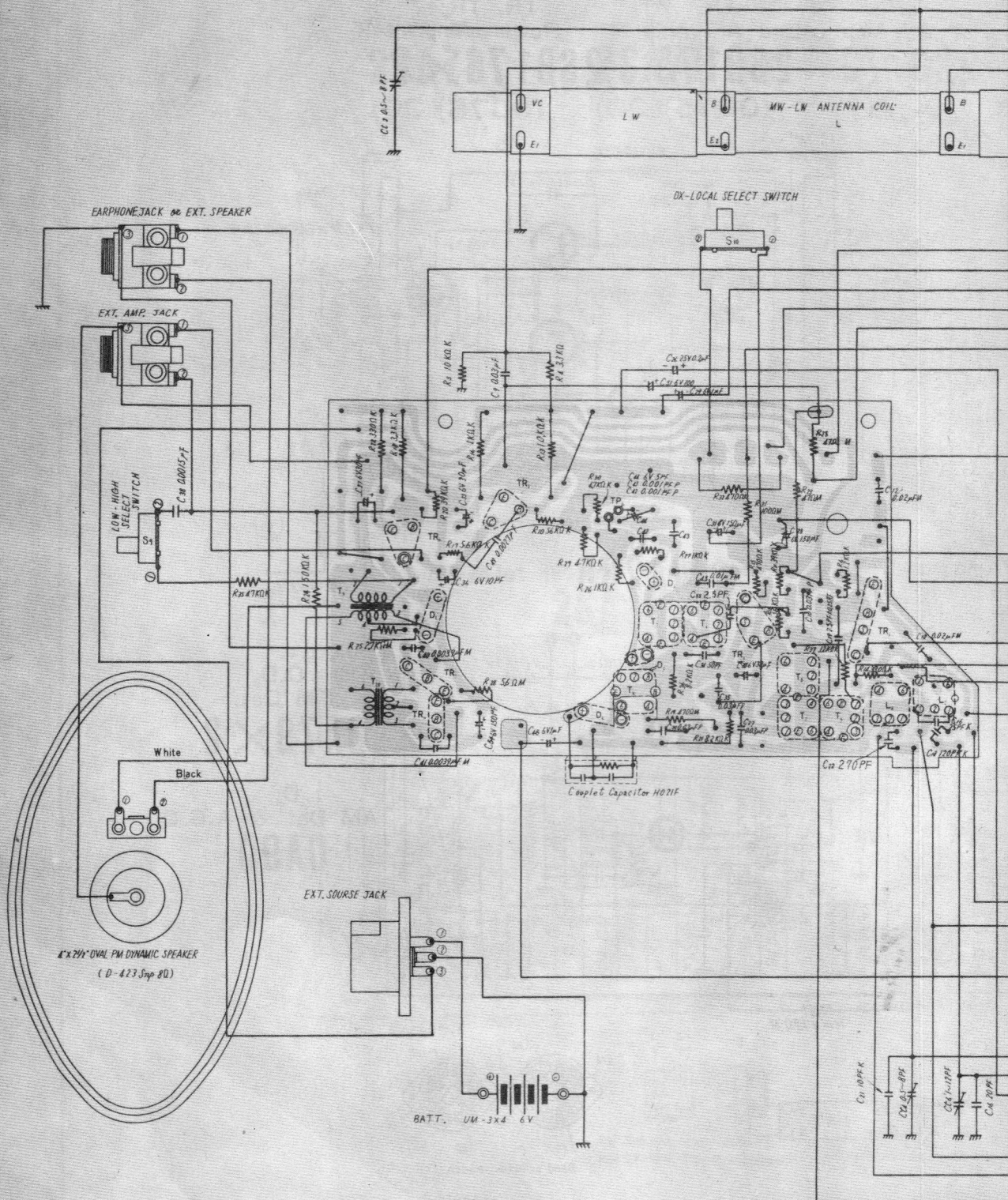
C256 10PF K

C257 10PF K

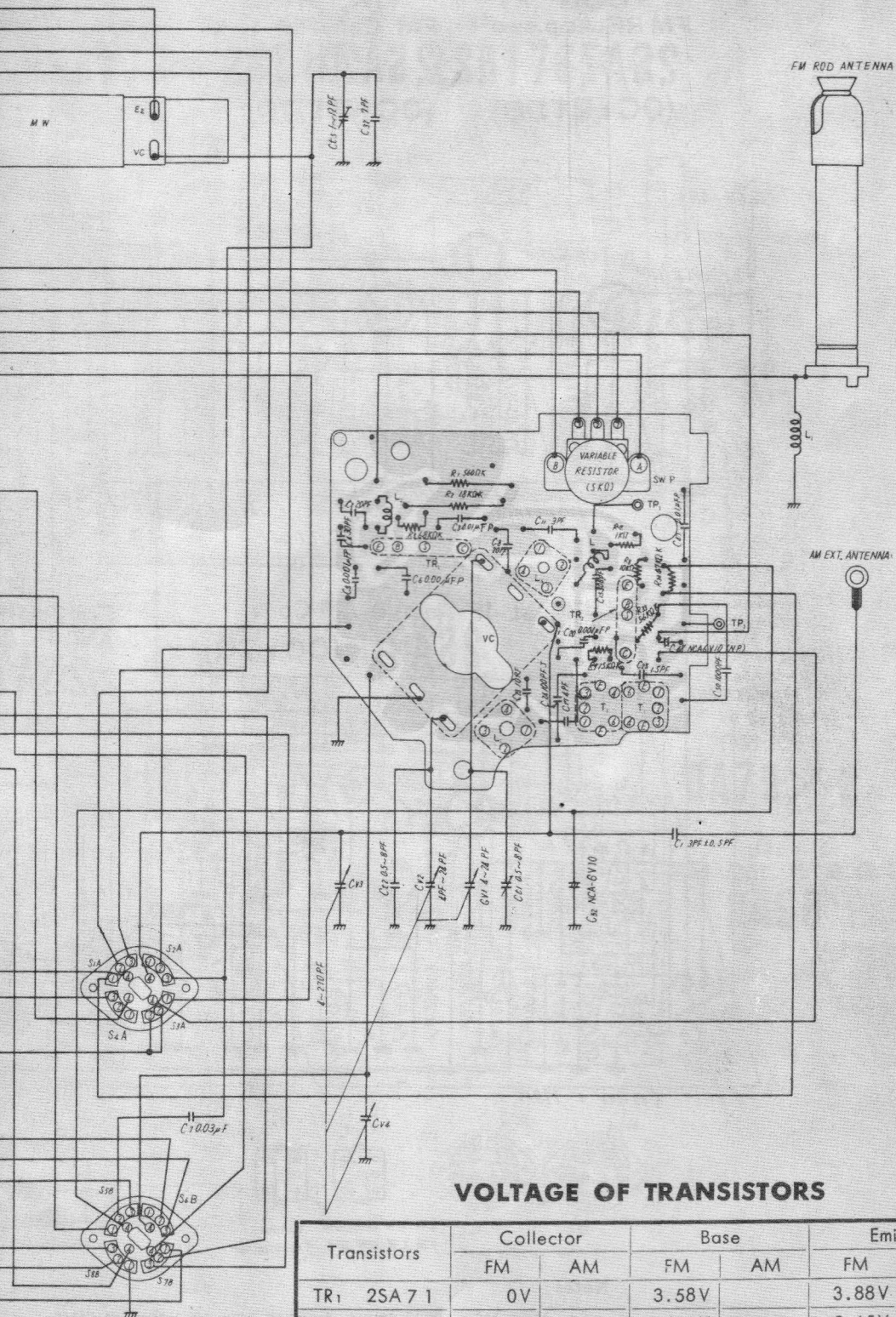
C258 10PF K

C259 10PF K

C260 10PF K



BOARD



VOLTAGE OF TRANSISTORS

Transistors		Collector		Base		Emitter	
		FM	AM	FM	AM	FM	AM
TR ₁	2SA 71	0V		3.58V		3.88V	
TR ₂	2SA 71	0V		4.5V		5.65V	
TR ₃	2SA 70	0V	0V	3V	4.35V	3.35V	4.5V
TR ₄	2SA 70	0V	0V	3.6V	3.75V	4.3V	4.4V
TR ₅	2SB173	3.45V	3.52V	4.65V	4.75V	5V	5.1V
TR ₆	2SB175	0.59V	0.61V	5V	5.1V	5.3V	5.4V
TR ₇	2SB176	0V	0V	5.82V	5.83V	6V	6V
TR ₈	2SB176	0V	0V	5.82V	5.83V	6V	6V